

Title (en)

Apparatus and method for stabilizing the ventricular rate of a heart during atrial fibrillation

Title (de)

Verfahren und Gerät zur Stabilisierung der ventrikulären Schrittfrequenz eines Herzens während einer Vorhof-Fibrillation

Title (fr)

Procédé et appareil de stabilisation du rythme ventriculaire d'un coeur pendant une fibrillation auriculaire

Publication

**EP 0714677 A3 19980401 (EN)**

Application

**EP 95308644 A 19951130**

Priority

US 34727994 A 19941130

Abstract (en)

[origin: US5480413A] A pacemaker is provided in which ventricular rate instability is detected and automatically corrected by gradually increasing the ventricular pacing rate. Once the ventricle is stabilized, its pacing rate is gradually decreased as much as possible without losing ventricular stability. Ventricular instability can be a result of an atrial tachyarrhythmia such as atrial fibrillation. Therefore, if the pacemaker is a dual chamber pacemaker, its operation is switched to a single chamber pacing mode thereby decoupling the ventricular pacing signals from the atrial pacing signals and atrial triggered ventricular pacing is inhibited until the atrial fibrillation terminates.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

**A61N 1/3622** (2013.01 - EP US); **A61N 1/36521** (2013.01 - EP US)

Citation (search report)

- [Y] WO 9216258 A1 19921001 - MEDTRONIC INC [US]
- [DY] WITTKAMPF F.H.M AND DE JONGSTE M.J.L: "Rate Stabilization by Right Ventricular Pacing in Patients with Atrial Fibrillation", PACE, vol. 9, 1 November 1986 (1986-11-01), pages 1147 - 1153, XP000562479

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**US 5480413 A 19960102**; DE 69533251 D1 20040819; DE 69533251 T2 20050728; EP 0714677 A2 19960605; EP 0714677 A3 19980401; EP 0714677 B1 20040714; US 5591215 A 19970107

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